Code: 5G468

III B.Tech. II Semester Supplementary Examinations February 2021
Python Programming
(Information Technology)

Max. Marks: 70 Time: 3 Hours

Answer *all five* units by choosing one question from each unit (5 x 14 = 70 Marks)
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UNIT–I

1. a) What is Python? Discuss about the features of Python in detail.
    b) What do you mean by an Environment Variable? Discuss about the Environment

OR

2. a) What are the supported data types in Python? Explain in brief
    b) Explain the types of operators in Python in detail.

UNIT–II

3. a) Write a Python program using while loop to print n numbers divisible by 5.
    b) Write a Python program to find factorial of first n numbers

OR

4. Explain about i) Tuples
                 ii) Sequences

UNIT–III

5. a) What is a function? How do we define a function? Explain with an example.
    b) Differentiate between call by value and call by reference. Explain with an example

OR

6. Describe the following
    a. Actual Arguments vs Formal Arguments
    b. Mutable vs immutable arguments
    c. Keywords arguments
    d. Default arguments in python

UNIT–IV

7. a) What are the two ways of importing a Module? Which one is more beneficial?
    b) Write a Python program to copy a file from another file

OR

8. a) How do we create Strings? Discuss about String Methods in brief
    b) What is an Exception? How do we create user defined Exception? Explain with an

UNIT–V

9. a) Explain about Dictionary type in python?
    b) Compare Iteration vs recursion?

OR

10. a) Explain about Recursive problem Solving?
    b) Write a brief note on SET data type?

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R-15

Code: 5G46A

III B.Tech. II Semester Supplementary Examinations February 2021

Web Technologies

(Information Technology)

Max. Marks: 70   Time: 3 Hours

Answer *all five* units by choosing one question from each unit (5 x 14 = 70 Marks)

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UNIT–I

1. a)   How DHTML is different from HTML? Explain in detail.

    b)   Explain about CSS in detail. Create a CSS file with different properties.

OR

2. a)   Describe different layouts available in creating web pages.

    b)   Explain the following terms related to CSS.

      (i) Font Size   (v) Text transformation

     (ii) Font weight   (vi) Text alignment

     (iii) Font stretch   (vii) Padding

     (iv) Text decoration

UNIT–II

3. a)   Describe the elements in XML and also different types of content of elements.

    b)   List and explain the Advantages of Java Beans.

OR

4. a)   Define XML. What are the advantages of XML? Explain.

    b)   Design a layout using XML containing an application form

UNIT–III

5. a)   Explain how the HTTP POST request is processed using servlets.

    b)   With the help of a neat diagram, explain the servlet architecture.

OR

6.   How to use Cookies and session for session tracking? Explain with an example program.

UNIT–IV

7. a)   Discuss about various categories of JSP tags. Explain each of them with syntax and suitable examples.

    b)   Write a JSP to demonstrate the usage of the page and include directives

OR

8. a)   Explain the JSP Application Design with MVC.

    b)   How to deal with syntax errors in JSP page? Explain.

UNIT–V

9. a)   How do you generate data dynamically using JSP? Explain

    b)   Describe JSP processing.

OR

10. a)   How to access a database from a JSP page? Explain with a program.

    b)   Describe how data is shared between JSP pages

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